Title (en)

Haptic for accommodating intraocular lens

Title (de)

Haptik für akkomodierende Intraokularlinse

Title (fr)

Haptique pour lentille intraoculaire capable d'accommodation

Publication

EP 2364672 A2 20110914 (EN)

Application

EP 11152508 A 20061023

Priority

- EP 06836495 A 20061023
- US 26238505 A 20051028

Abstract (en)

A haptic (30,50,59,89) is provided for use in an accommodating intraocular lens (15,35,55,85,95,105). The haptic has multiple filaments (33,53,63,89,92,102,109), each connected to the edge of the optic (28,58,88,98,108) at one end. Each filament has a shape that conforms to an equatorial region of the capsular bag. The haptic couples the forces exerted by the capsular bag of the eye during accommodation radially to the edge of the optic, produce a diametric expansion or compression of the optic. This diametric motion distorts the optic, producing a change in any or all of the anterior radius, the posterior radius, and the thickness. These changes affect the power of the lens and/or location of the image. The haptic may optionally have a thin membrane joining the filaments at the optic end, and may optionally have a connecting ring that joins the filaments at the end opposite that of the optic. The filaments may be staked through the optic at the peripheral edge of the optic.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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- US 5275623 A 19940104 - SARFARAZI FAEZEH [US]
- US 2004181279 A1 20040916 - NUN YEHOSHUA [IL]
- WO 2007053374 A2 20070510 - ADVANCED MEDICAL OPTICS INC [US], et al

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DOCDB simple family (publication)

US 2007100444 A1 20070503; **US 8241355 B2 20120814**; AT E515992 T1 20110715; AU 2006309112 A1 20070510; AU 2006309112 B2 20130613; CA 2627661 A1 20070510; CA 2627661 C 20140819; EP 1940319 A2 20080709; EP 1940319 B1 20110713; EP 2364671 A2 20110914; EP 2364671 A3 20111130; EP 2364671 B1 20170809; EP 2364672 A2 20110914; EP 2364672 A3 20111123; EP 2364672 B1 20170809; US 2012296426 A1 20121122; US 2017135810 A1 20170518; US 9554893 B2 20170131; WO 2007053374 A2 20070510; WO 2007053374 A3 20071011

DOCDB simple family (application)

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